

Title (en)  
EXPOSURE APPARATUS, SUBSTRATE CARRYING METHOD, EXPOSURE METHOD, AND METHOD FOR PRODUCING DEVICE

Title (de)  
BELICHTUNGSGERÄT, SUBSTRATTRAGEVERFAHREN, BELICHTUNGSVERFAHREN UND VERFAHREN ZUR HERSTELLUNG EINER VORRICHTUNG

Title (fr)  
APPAREIL D'EXPOSITION, PROCEDE DE TRANSPORT DE SUBSTRAT, PROCEDE D'EXPOSITION, ET PROCEDE DE PRODUCTION D'UN DISPOSITIF

Publication  
**EP 1672681 B1 20110511 (EN)**

Application  
**EP 04792152 A 20041007**

Priority  
• JP 2004014855 W 20041007  
• JP 2003349550 A 20031008

Abstract (en)  
[origin: EP1672681A1] A substrate conveyance device that conveys a substrate having been exposed with a pattern image via a projection optical system and a liquid, the substrate conveyance device comprising: a liquid detector that detects the liquid adhering on the substrate.

IPC 8 full level  
**H01L 21/027** (2006.01); **G03F 7/20** (2006.01)

CPC (source: EP KR US)  
**G03B 27/42** (2013.01 - EP KR US); **G03D 3/00** (2013.01 - EP KR US); **G03F 7/2041** (2013.01 - KR); **G03F 7/70341** (2013.01 - EP KR US); **G03F 7/7075** (2013.01 - EP KR US); **G03F 7/7085** (2013.01 - KR); **H01L 21/0273** (2013.01 - KR); **H01L 21/0274** (2013.01 - KR); **H01L 21/677** (2013.01 - KR); **H01L 21/67709** (2013.01 - KR); **H01L 21/67718** (2013.01 - KR); **H01L 21/67748** (2013.01 - KR); **H01L 21/67751** (2013.01 - KR); **G03F 7/2041** (2013.01 - US)

Citation (examination)  
• JP 2000180371 A 20000630 - SHARP KK  
• US 5274434 A 19931228 - MORIOKA HIROSHI [JP], et al

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US8059257B2; US10151983B2; US8040489B2; US8941808B2; US7929109B2; US8780323B2; US8236467B2; US8941812B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1672681 A1 20060621; EP 1672681 A4 20080430; EP 1672681 B1 20110511; EP 1672681 B8 20110921**; AT E509367 T1 20110515; HK 1090174 A1 20061215; JP 2009094542 A 20090430; JP 2011211221 A 20111020; JP 2012138623 A 20120719; JP 4319188 B2 20090826; JP 5079717 B2 20121121; JP 5634947 B2 20141203; JP WO2005036621 A1 20071122; KR 101111364 B1 20120227; KR 101203028 B1 20121121; KR 101319109 B1 20131017; KR 101361892 B1 20140212; KR 20060120655 A 20061127; KR 20110119794 A 20111102; KR 20120081220 A 20120718; KR 20130041361 A 20130424; TW 200523684 A 20050716; TW 201308028 A 20130216; TW I379168 B 20121211; TW I620990 B 20180411; US 2006257553 A1 20061116; US 2007110916 A1 20070517; US 2007296940 A1 20071227; US 2011261330 A1 20111027; US 2013094006 A1 20130418; US 7995186 B2 20110809; US 8107055 B2 20120131; US 8345216 B2 20130101; US 9097986 B2 20150804; US 9110381 B2 20150818; WO 2005036621 A1 20050421

DOCDB simple family (application)  
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